

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION TYPE CERTIFICATE DATA SHEET P18BO	TCDS NUMBER P18BO REVISION: 1 AVIA PROPELLER LTD. MODEL/S: AVIA V503 AP April 5, 2002
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This Data Sheet, which is part of Type Certificate No. P18BO, prescribes conditions and limitations under which the product meets the airworthiness requirements of the Federal Aviation Regulations.

TYPE CERTIFICATE HOLDER	AVIA PROPELLER LTD. Beranových 666 Praha 9 – Letnany 199 00 Czech Republic
TYPE	Variable pitch, self contained hydraulically actuated.
ENGINE SHAFT	Flanged: SAE No. 2 (AS 1270)
HUB MATERIAL	Steel (forged)
BLADE MATERIAL	Aluminum Alloy (forged)
NUMBER OF BLADES	2
DESIGN SERIES	AVIA V503 AP

HUB	BLADE	MAXIMUM CONTINUOUS HP / RPM KW	<TAKE OFF> HP / RPM KW	NOMINAL DIAMETER in.	APPROXIMATE WEIGHT pounds
073-2000	053-2200	160 / 2700 120	160 / 2700 120	75-in.	67 lbs.

CERTIFICATION BASIS: The U.S. certification basis determined under Section 21.29 of the FAR and Bilateral Airworthiness Agreement between the United States and the Czech Republic is FAR 35, effective February 1, 1965, Amendment: 35-1 to 35-6 inclusive.

TC (IMPORT) NO:

TC APPLICATION DATE: June 11, 1998

TC ISSUED: September 15, 1999, revised April 5, 2002

IMPORT REQUIREMENTS: To be considered eligible for installation on U.S. registered aircraft, each propeller to be exported to the United States shall be accompanied by a certificate of airworthiness for export or certifying statement endorsed by the exporting cognizant civil airworthiness authority which contains the following language:

(1) This propeller conforms to its United States type design (TC No. P18BO and is in a condition for safe operation.

(2) This propeller has been subjected by the manufacturer to a final operational check and is in a proper state of airworthiness.

Reference FAR Section 21.500 which provides for the airworthiness acceptance of aircraft engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued.

Additional guidance is contained in FAA Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Related Products, Imported into the United States.

NOTES		
NOTE 1:	Hub Model Designation	Not applicable
NOTE 2:	Blade Model Designation:	053-2200 (Clockwise Rotation)
NOTE 3:	Pitch Control:	Propeller Speed Hydraulically, self contained controls engine speed dependent on air speed, minimum blade pitch range 14°.
NOTE 4:	(a) Feathering:	Not applicable
	(b) Reversing:	Not applicable
NOTE 5:	Right-hand model:	The approved model is right-hand (clockwise rotation) tractor when viewed from slip stream.
NOTE 6:	Interchangeable blades:	Not applicable
NOTE 7:	Accessories:	Not applicable
NOTE 8:	Shank Fairings:	Not applicable
NOTE 9:	Special Limits:	Life limited components and Continued Airworthiness limitations of the AVIA V503 AP propeller are listed in Section 11 of the AVIA V503 Series Overhaul Manual No. 073-8952.7.
NOTE 10:	Special Notes:	Aircraft installations must be approved as part of the aircraft type certificate and demonstrate compliance with the applicable aircraft airworthiness requirements.

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